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**west virginia department of environmental protection**

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Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: (304) 926-0475 • FAX: (304) 926-0479

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

October 12, 2016

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**CERTIFIED MAIL**  
7199 9991 7034 1382 2794

Robert L. Cline, Authorized Agent  
Greenbrier Minerals, LLC  
PO Box 446  
Man, WV 25635

Re: Application Status: Approved  
Greenbrier Minerals, LLC  
Toney Fork Coal Screening Plant  
Registration Application G10-D164  
Plant ID No. 045-00149

Dear Mr. Cline:

Your application for a General Permit G10-D registration to construct a coal screening facility as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed registration G10-D164 is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

As a result of this permit, the source is a nonmajor or area source subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.

In accordance with 45CSR30 - Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

In accordance with 45CSR30 – Operating Permit Program, enclosed with this permit is a Certified Emissions Statement (CES) Invoice, from the date of initial startup through the following June 30. Said invoice and the appropriate fee shall be submitted to this office no later than 30 days

prior to the date of initial startup. For any startup date other than July 1, the permittee shall pay a fee or prorated fee in accordance with the Section 4.5 of 45CSR22. A copy of this schedule may be found attached to the Certified Emissions Statement (CES) Invoice.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,



Daniel P. Roberts, Engineer Trainee  
NSR Permitting Section

Enclosures

c: Donna Toler

*West Virginia Department of Environmental Protection*

*Division of Air Quality*

*Earl Ray Tomblin*  
Governor

*Randy C. Huffman*  
Cabinet Secretary

# Class II General Permit G10-D Registration to Construct



for the  
Prevention and Control of Air Pollution in regard to the  
Construction, Modification, Relocation,  
Administrative Update and Operation of  
Coal Preparation Plants and Coal Handling Operations

*The permittee identified at the facility listed below is authorized to  
construct the stationary sources of air pollutants identified herein in accordance  
with all terms and conditions of General Permit G10-D.*

**G10-D164**

Issued to:

**Greenbrier Minerals, LLC**  
**Toney Fork Coal Screening Plant**  
**045-00149**

A blue ink signature of William F. Durham is written over a horizontal line.

*William F. Durham*  
Director

*Effective: October 12, 2016*

This Class II General Permit Registration will not supersede any existing general permit registrations or Rule 13 individual permits. However, Greenbrier Minerals, LLC does have General Permit registration G60-C079 for an emergency generator on the Toney Fork Surface Mine which shares the same facility ID number.

Facility Location: Lorado, Logan County, West Virginia  
Mailing Address: PO Box 446, Man, WV 25635  
Facility Description: Coal Preparation Plant  
SIC Codes: 1221 (Bituminous Coal & Lignite - Surface)  
NAICS Codes: 212111 (Bituminous Coal and Lignite Surface Mining)  
UTM Coordinates: Easting: 436.25838 km • Northing: 4179.2613 km • NAD83 Zone 17N  
Lat/Lon Coordinates: Latitude: 37.75806 • Longitude: -81.78528 • NAD83  
Registration Type: Construction  
Description of Change: Application to construct a 600 TPH and 5,625,000 TPY raw coal screening plant consisting of one dump bin, one screen, five belt conveyors and three open storage piles.

Subject to 40CFR60 Subpart Y? Yes  
Subject to 40CFR60 Subpart IIII? Yes  
Subject to 40CFR60 Subpart JJJJ? No

*Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.*

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*As a result of this permit, the source is a nonmajor or area source subject to 45CSR30. Therefore, the facility is not subject to the permitting requirements of 45CSR30 and is classified as a deferred source.*

**All registered facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.**

The following sections of Class II General Permit G10-D apply to the registrant:

Section 5	Coal Preparation and Processing Plants and Coal Handling Operations	<input checked="" type="checkbox"/>
Section 6	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after October 27, 1974, and on or before April 27, 2008 (40CFR60 Subpart Y)	<input type="checkbox"/>
Section 7	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after April 28, 2008, and on or before May 27, 2009 (40CFR60 Subpart Y)	<input type="checkbox"/>
Section 8	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40CFR60 Subpart Y)	<input checked="" type="checkbox"/>
Section 9	Reciprocating Internal Combustion Engines (R.I.C.E.)	<input type="checkbox"/>
Section 10	Tanks	<input type="checkbox"/>
Section 11	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	<input checked="" type="checkbox"/>
Section 12	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	<input type="checkbox"/>

## Emission Units

Equip- ment ID No.	Date of Construction, Reconstruction or Modification <sup>1</sup>	G10-D Applicable Sections <sup>2</sup>	Emission Unit Description	Maximum Permitted Throughput		Control Device <sup>3</sup>	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device <sup>3</sup>
Raw Coal Screening Plant									
BS-01	C 2016	5 and 8	Front-end Loader Feed Bin - 20 tons capacity - receives raw pit-cleaned raw coal from a front-end loader and feeds in onto BC-01	600	5,625,000	PW	B A	TP-01 TP-02	UD-PW TC-FE
BC-01	C 2016	5 and 8	Belt Conveyor - receives raw coal from the BS-01 and transfers it to SS-01	600	5,625,000	NC	B A	TP-02 TP-03	TC-FE TC-FE
SS-01	C 2016	5 and 8	Double Deck Screen - receives raw coal from BC-01, sizes it and drops onto BC-02	600	5,625,000	FE	B A	TP-03 TP-04	TC-FE TC-FE
BC-02	C 2016	5 and 8	Belt Conveyor - receives the sized raw coal from SS-01 and transfers it to BC-03, BC-04 or BC-05	600	5,625,000	NC	B A A A	TP-04 TP-05 TP-08 TP-11	TC-FE TC-FE TC-FE TC-FE
BC-03	C 2016	5 and 8	Belt Conveyor - receives the sized raw coal from BC-02 and transfers it to OS-01	600	5,625,000	NC	B A	TP-05 TP-06	TC-FE TC-MDH
OS-01	C 2016	5 and 8	Sized Raw Coal Open Storage Pile - maximum 5,000 tons capacity, 8,869 ft² base area and 20' height - receives sized raw coal from BC-03, stores it and then a front-end loader transfers it to trucks for shipment.	600	5,625,000	WS	B A	TP-06 TP-07	TC-MDH LO-MDH
BC-04	C 2016	5 and 8	Belt Conveyor - receives the sized raw coal from BC-02 and transfers it to OS-02	600	5,625,000	PE	B A	TP-08 TP-09	TC-FE TC-MDH
OS-02	C 2016	5 and 8	Sized Raw Coal Open Storage Pile - maximum 5,000 tons capacity, 8,869 ft² base area and 20' height - receives sized raw coal from BC-04, stores it and then a front-end loader transfers it to trucks for shipment.	600	5,625,000	WS	B A	TP-09 TP-10	TC-MDH LO-MDH

Equip- ment ID No.	Date of Construction, Reconstruction or Modification <sup>1</sup>	G10-D Applicable Sections <sup>2</sup>	Emission Unit Description	Maximum Permitted Throughput		Control Device <sup>3</sup>	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device <sup>3</sup>
BC-05	C 2016	5 and 8	Belt Conveyor - receives the sized raw coal from BC-02 and transfers it to OS-03	600	5,625,000	PE	B A	TP-11 TP-12	TC-FE TC-MDH
OS-03	C 2016	5 and 8	Sized Raw Coal Open Storage Pile - maximum 5,000 tons capacity, 8,869 ft <sup>2</sup> base area and 20' height - receives sized raw coal from BC-05, stores it and then a front-end loader transfers it to trucks for shipment	600	5,625,000	WS	B A	TP-12 TP-13	TC-MDH LO-MDH

<sup>1</sup> In accordance with 40 CFR 60 Subpart Y, coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater. For open storage piles constructed, reconstructed, or modified after May 27, 2009, the permittee shall prepare and operate in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

<sup>2</sup> All registered affected facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

<sup>3</sup> Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; MDH - Minimize Drop Height; and NC - No Control.

## Emission Limitations

- Facility-wide Emissions - Greenbrier Minerals, LLC Toney Fork Coal Screening Plant	Maximum Controlled PM Emissions		Maximum Controlled PM <sub>10</sub> Emissions	
	lb/hour	TPY	lb/hour	TPY
<b>Fugitive Emissions</b>				
Open Storage Pile Emissions	0.04	0.19	0.02	0.09
Unpaved Haulroad Emissions	108.14	474.84	31.25	137.23
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
<i>Fugitive Emissions Total</i>	<i>108.18</i>	<i>475.02</i>	<i>31.27</i>	<i>137.32</i>
<b>Point Source Emissions</b>				
Equipment Emissions	12.00	52.56	5.64	24.70
Transfer Point Emissions	4.51	19.77	2.14	9.35
Engine E1	0.24	0.06	0.24	0.06
<i>Point Source Emissions Total (PTE)</i>	<i>16.75</i>	<i>72.39</i>	<i>8.02</i>	<i>34.12</i>
<b>FACILITY EMISSIONS TOTAL</b>				
	<b>124.94</b>	<b>547.42</b>	<b>39.29</b>	<b>171.43</b>

## Storage Tanks

Source ID No.	Status	Content	Design Capacity			Orientation	Liquid Height
			Volume	Diameter	Throughput		
T1	Existing	Diesel	1,000 gal	4'	8,000 gal	horizontal	

## Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (TPY)
E1	Cat 4.4	Nitrogen Oxides	3.44	0.86
		Carbon Monoxide	0.74	0.19
		Volatile Organic Compounds	0.27	0.07
		Particulate Matter (<10 microns)	0.24	0.06
		Sulfur Dioxide	0.23	0.06
		Formaldehyde	0.0022	0.0006

## Control Devices - *Not Applicable*

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

## Reciprocating Internal Combustion Engines

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Year Manufactured	Year Installed	Design Capacity (Bhp/rpm)
E1	Cat 4.4 Serial Number 44806883	2014	2016	111 bhp / 2,200 rpm

## Reciprocating Internal Combustion Engines (R.I.C.E.) Information

Emission Unit ID No.	Subject to 40CFR60 Subpart III?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)
E1	Yes	No	N/A